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FIG.1

Fig. 1 Growth curve of mutant strain

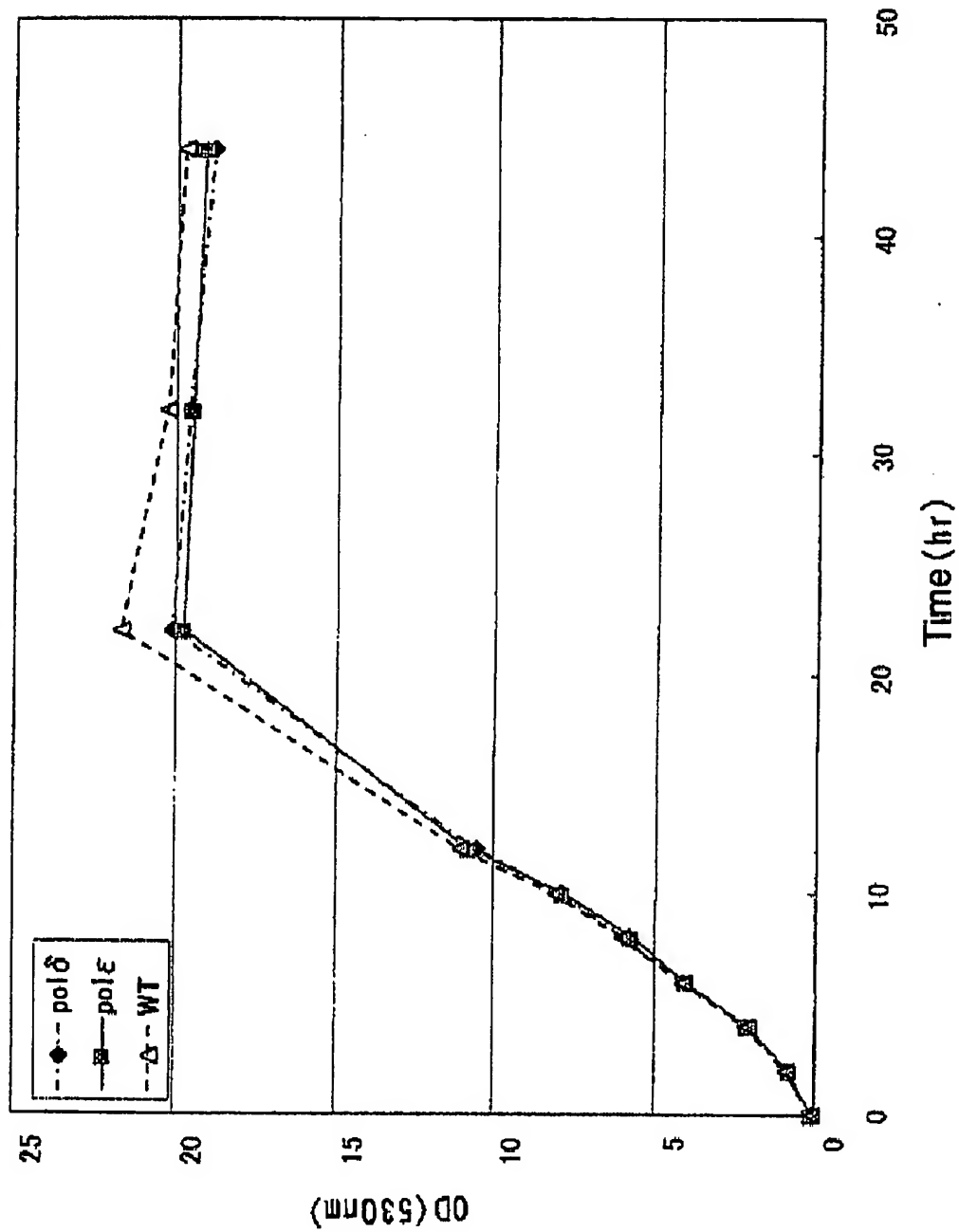


FIG.2

Fig.2 Growth curve of high temperature resistant strain

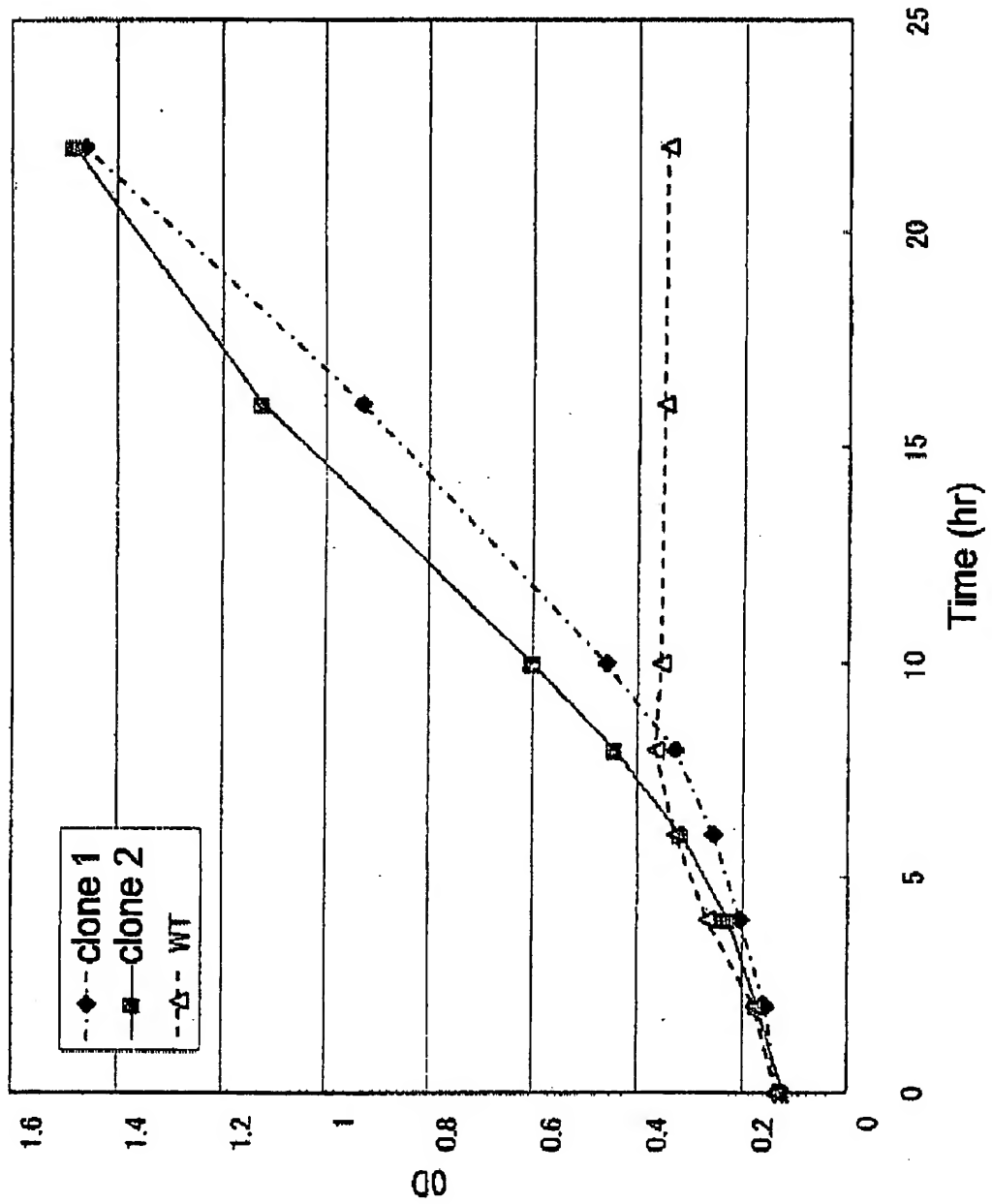
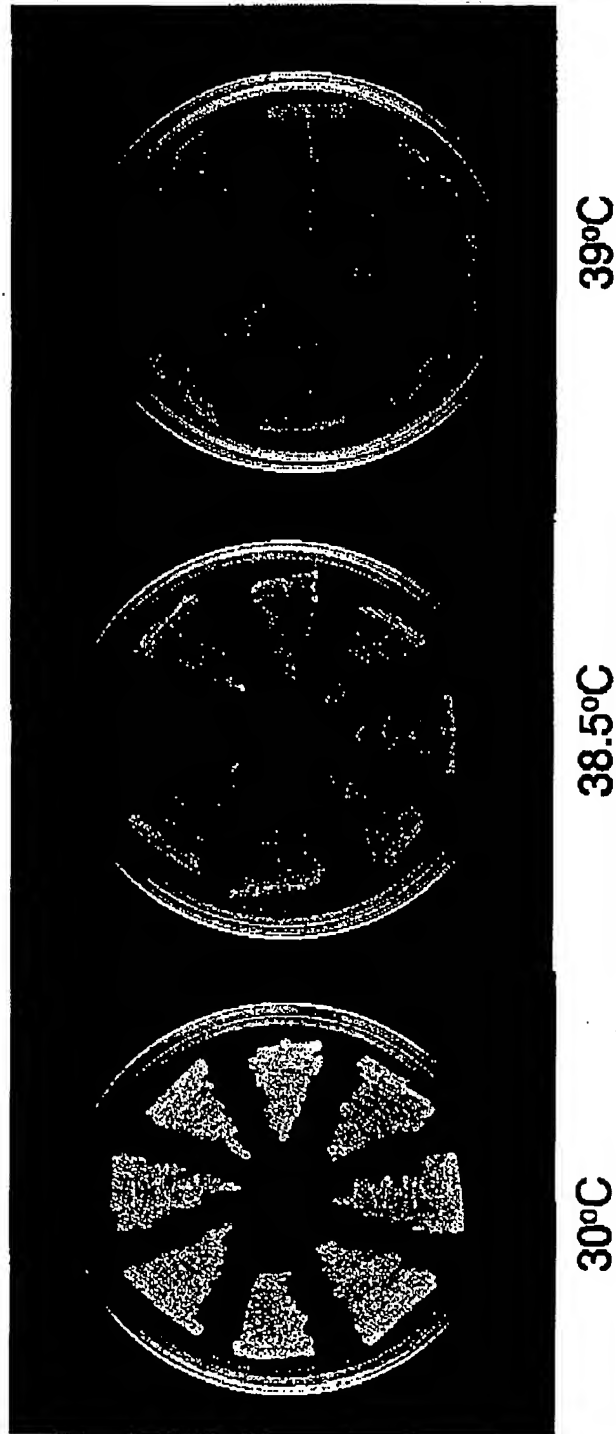


FIG.3A

Isolation of high temperature resistant strain (1)



Title: METHOD AND SYSTEM FOR RAIDLY CONFERRING A DESIRED TRAIT TO AN
ORGANISM

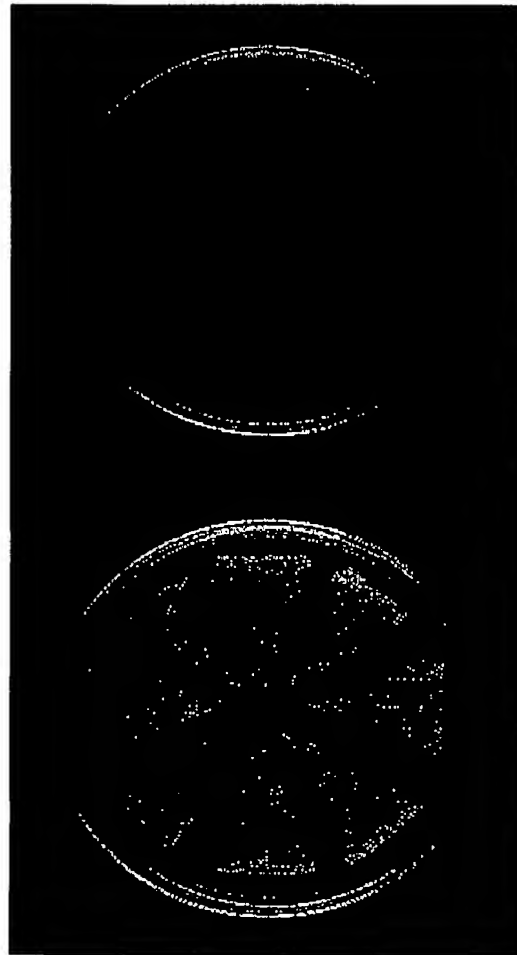
Inventors: Mitsuru Furusawa.

Docket No.: 690116.401C1

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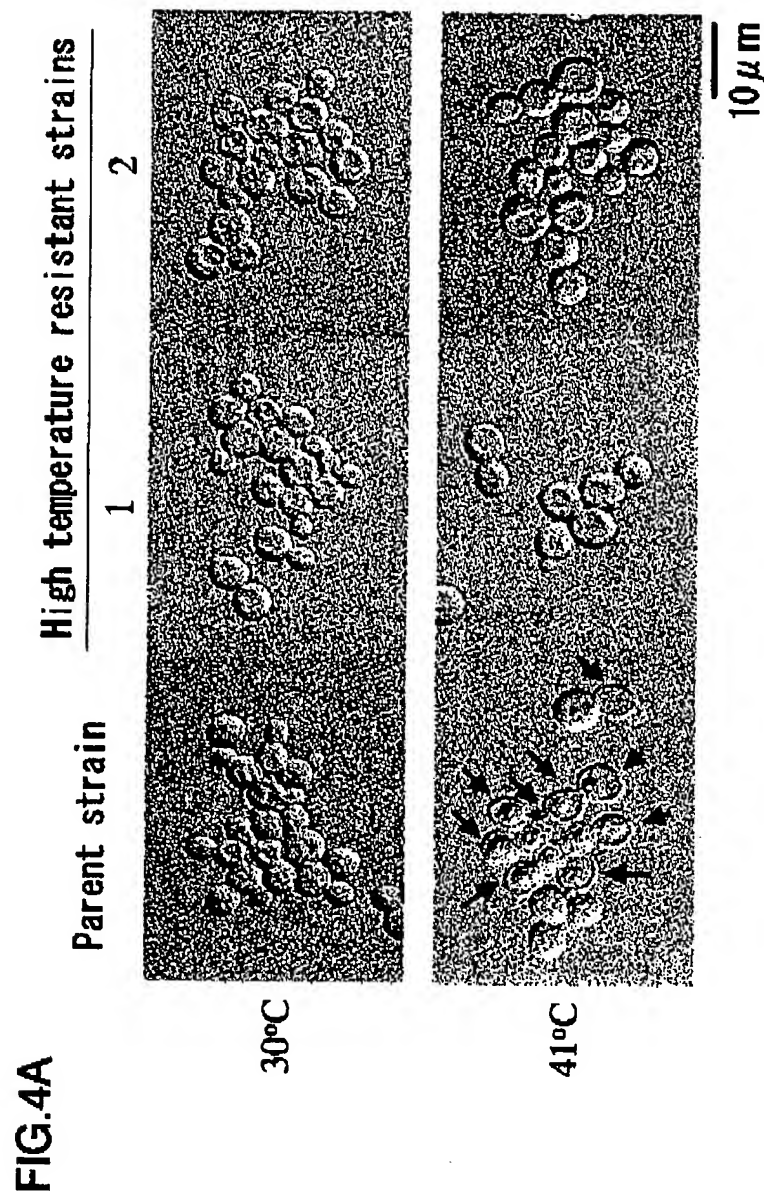
FIG.3B

Isolation of high temperature resistant strain (2)



30°C

38.5°C



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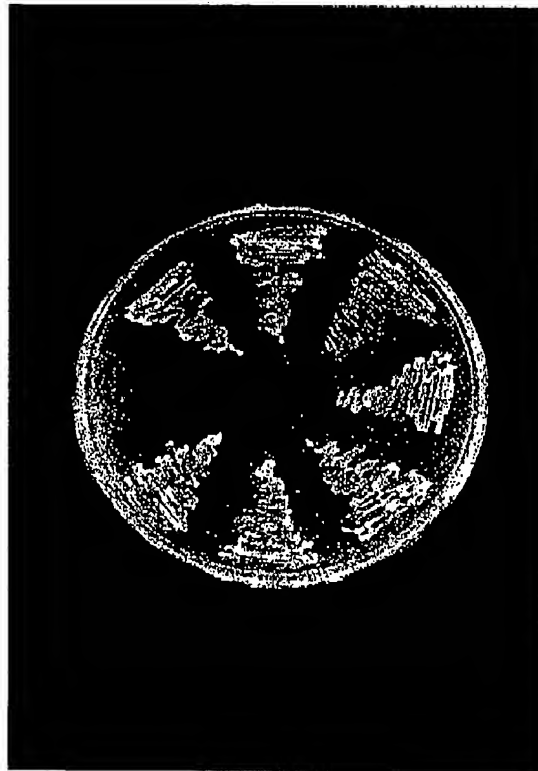
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FIG.4B

Growth of high temperature resistant strain (41°C)



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FIG.5

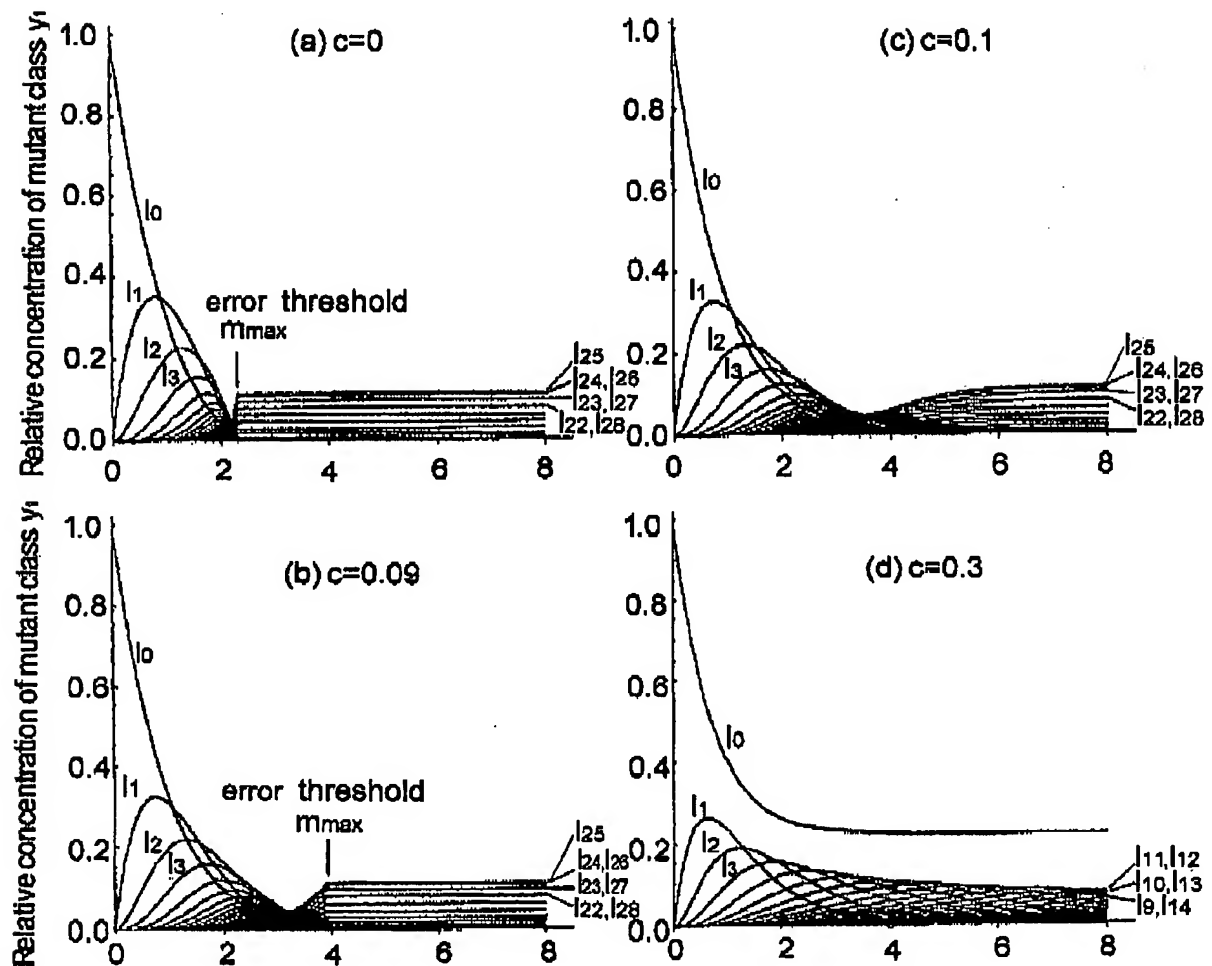


FIG.6

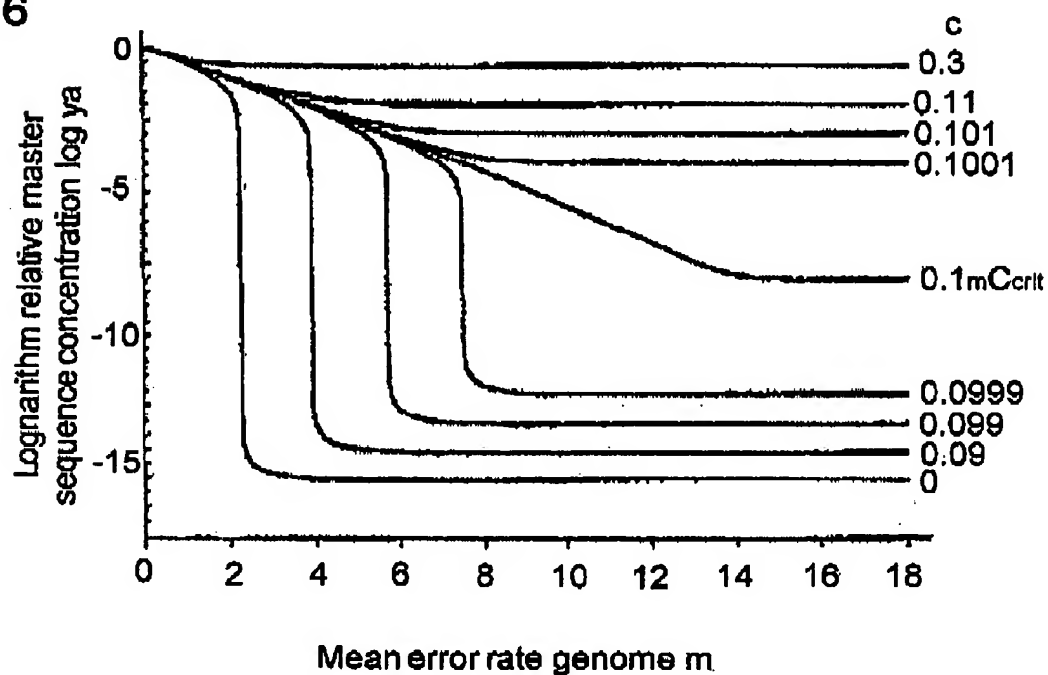
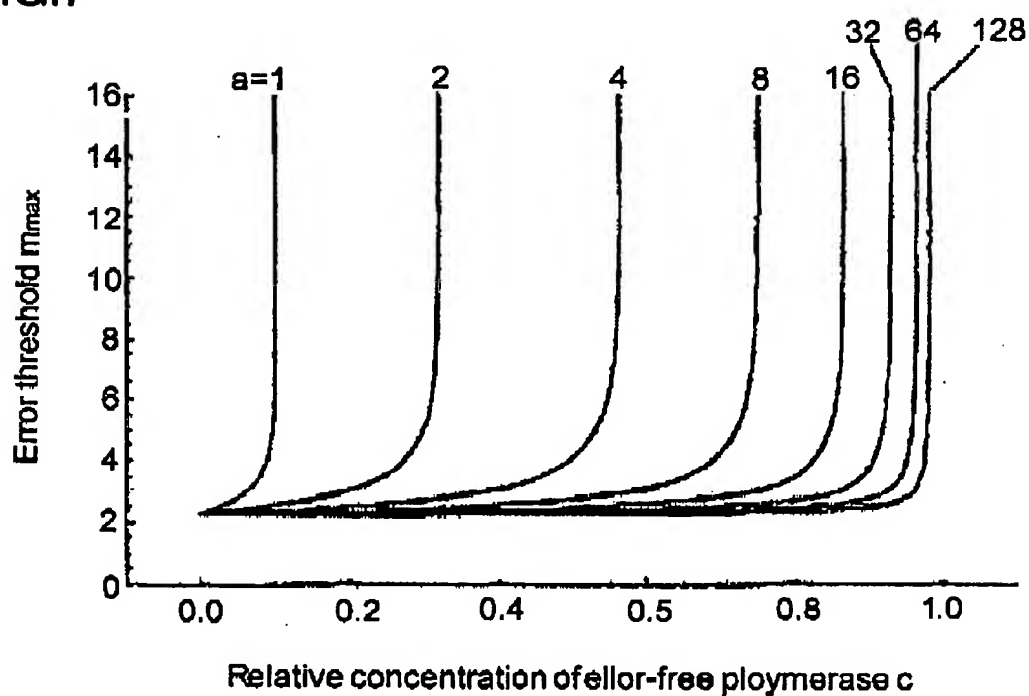


FIG.7



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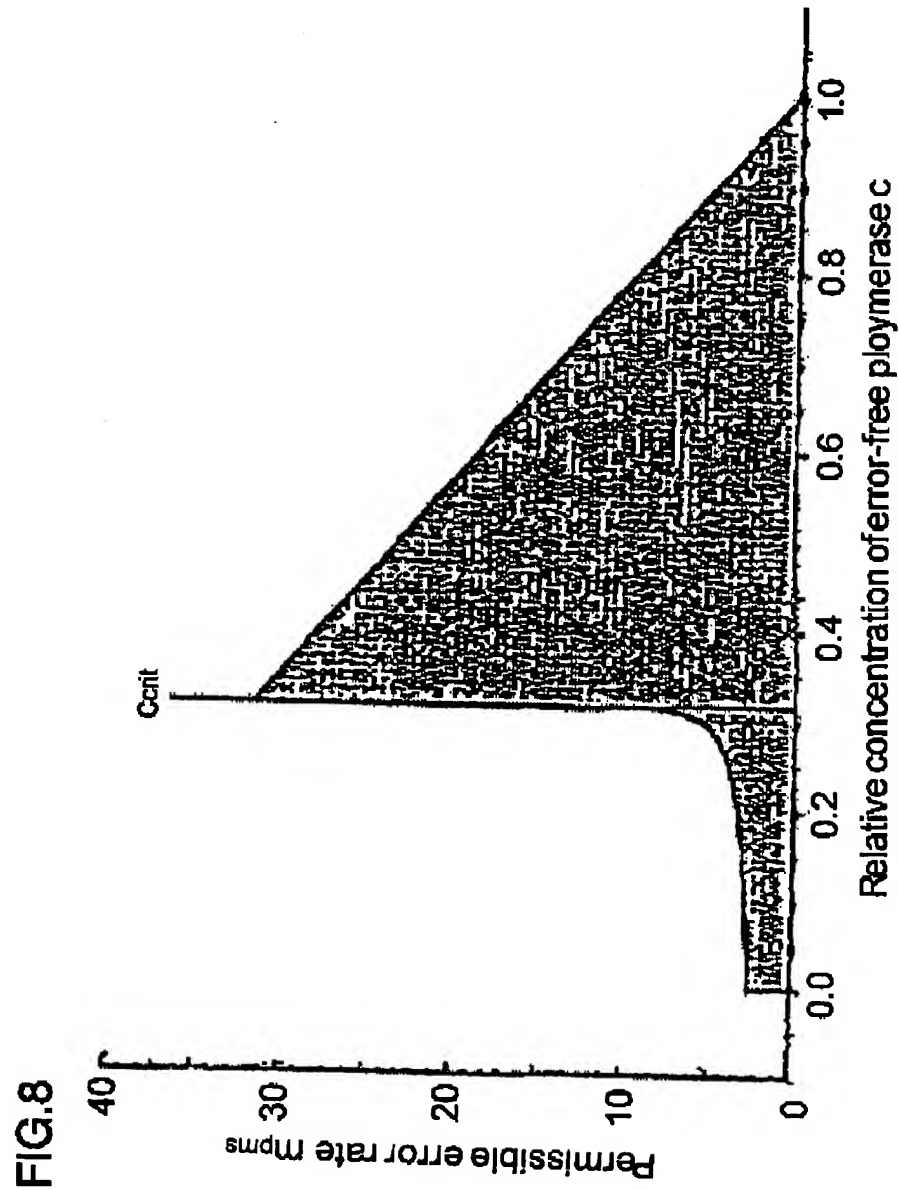
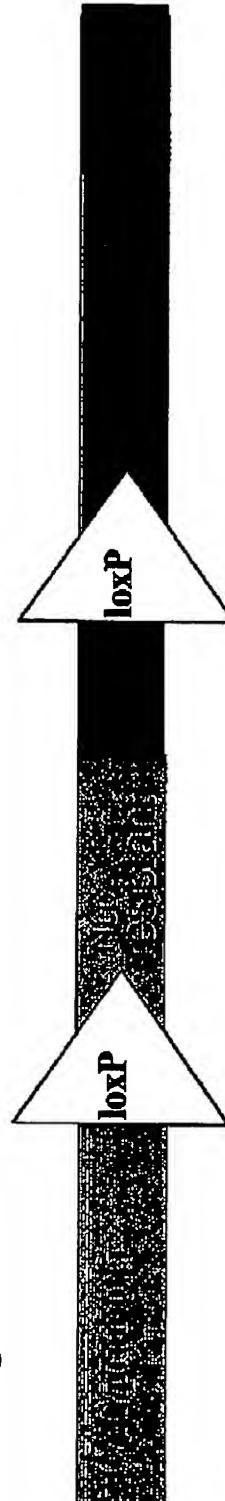


Fig.9

Transgenic mouse #1



Transgenic mouse #2



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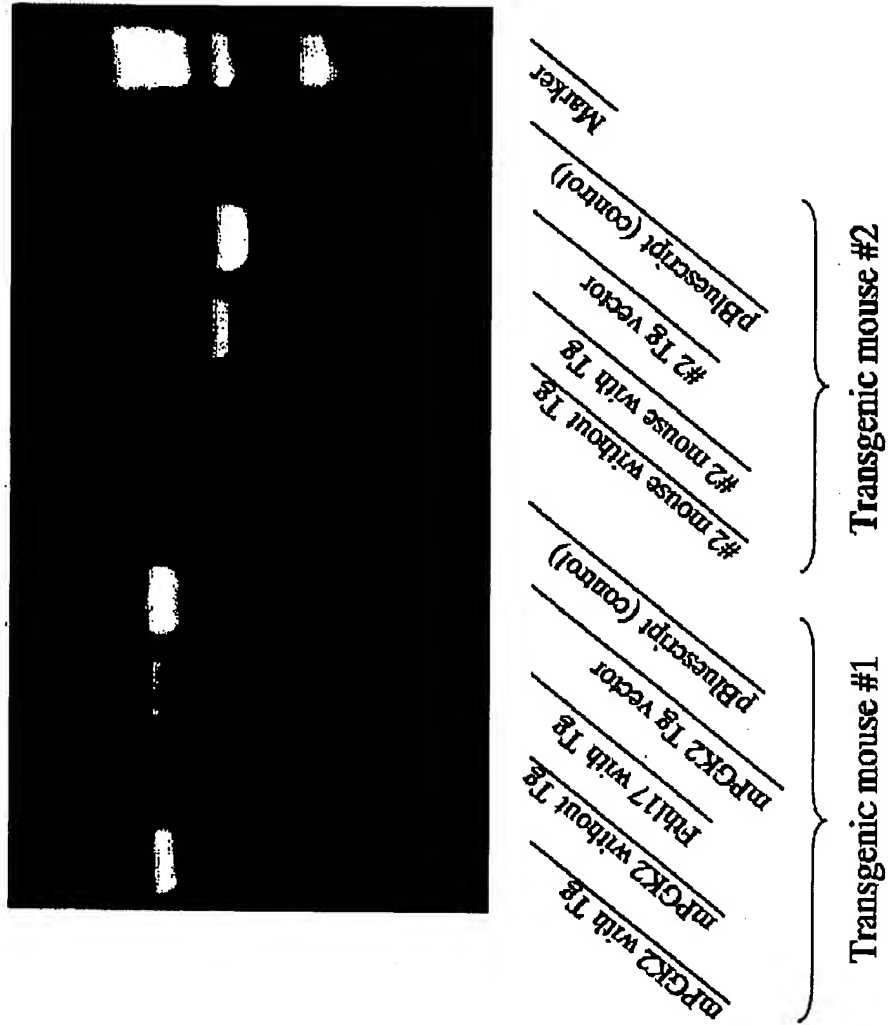


Fig.10

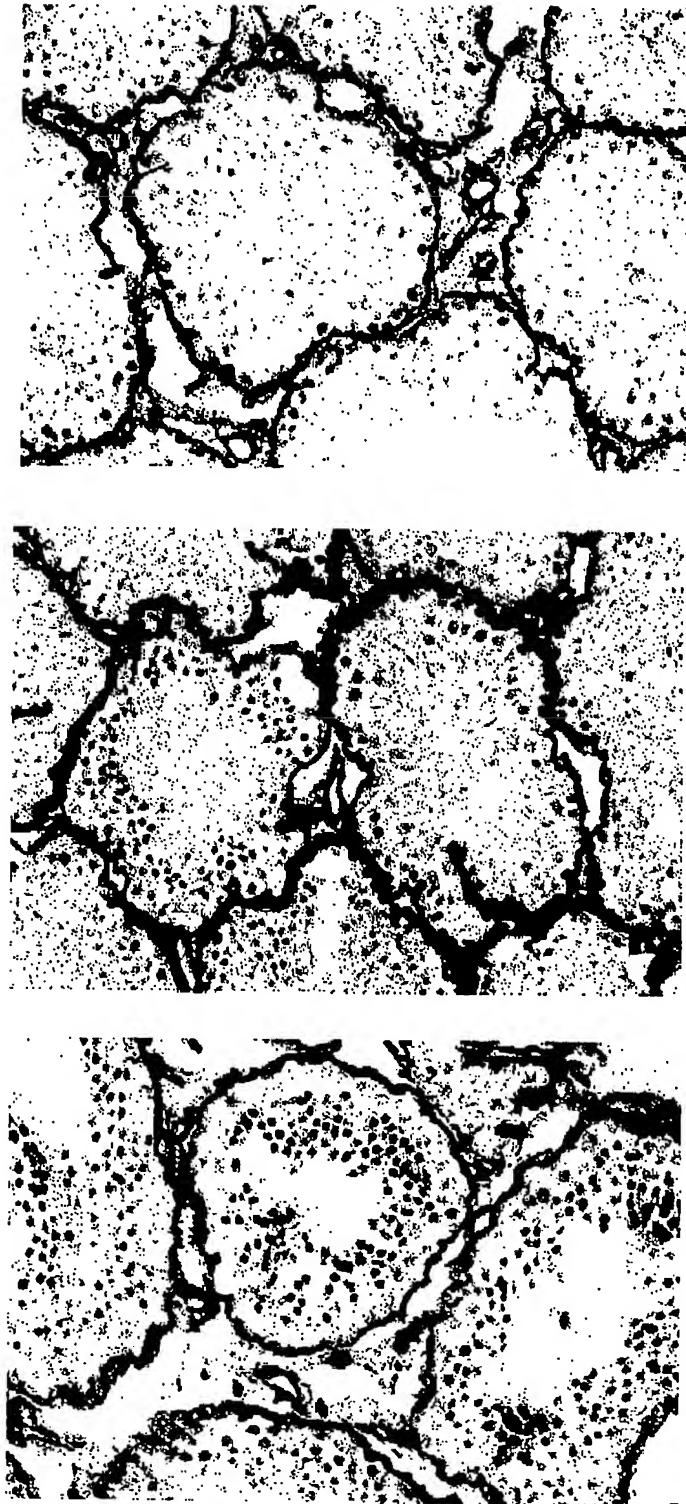
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Fig.11

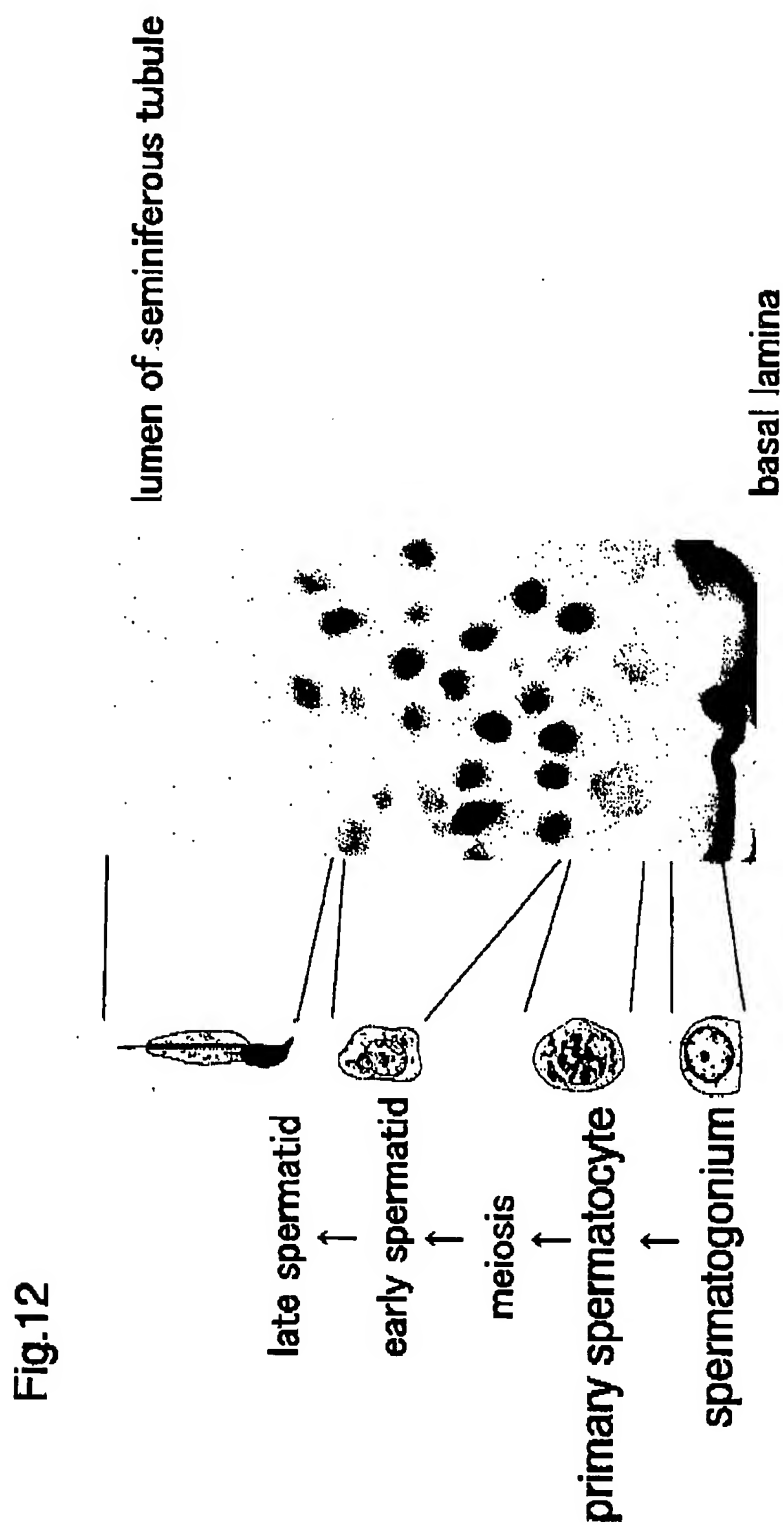


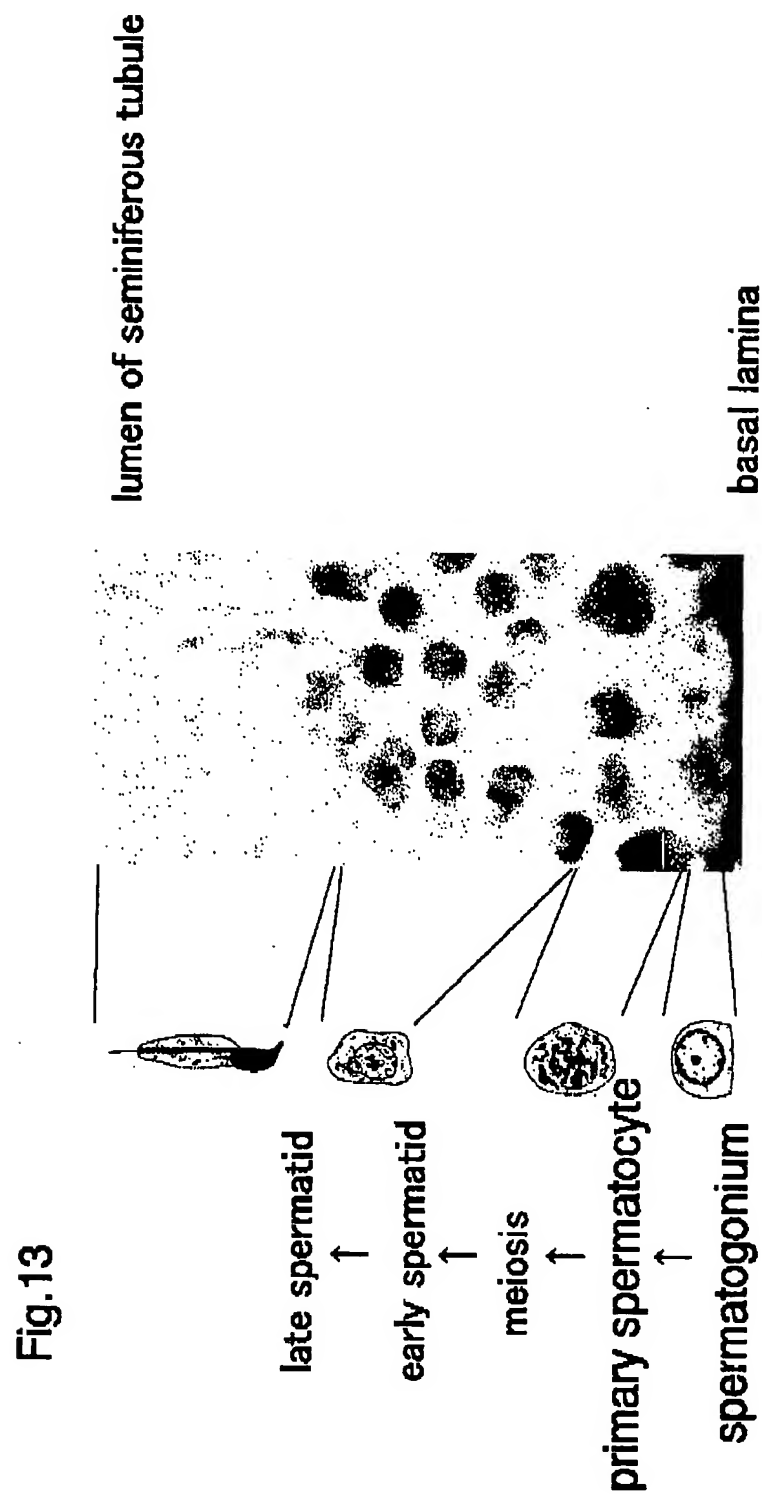
(a) mPGK2

(b) Fthl17

(c) control

50μm





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Fig.14

Not I

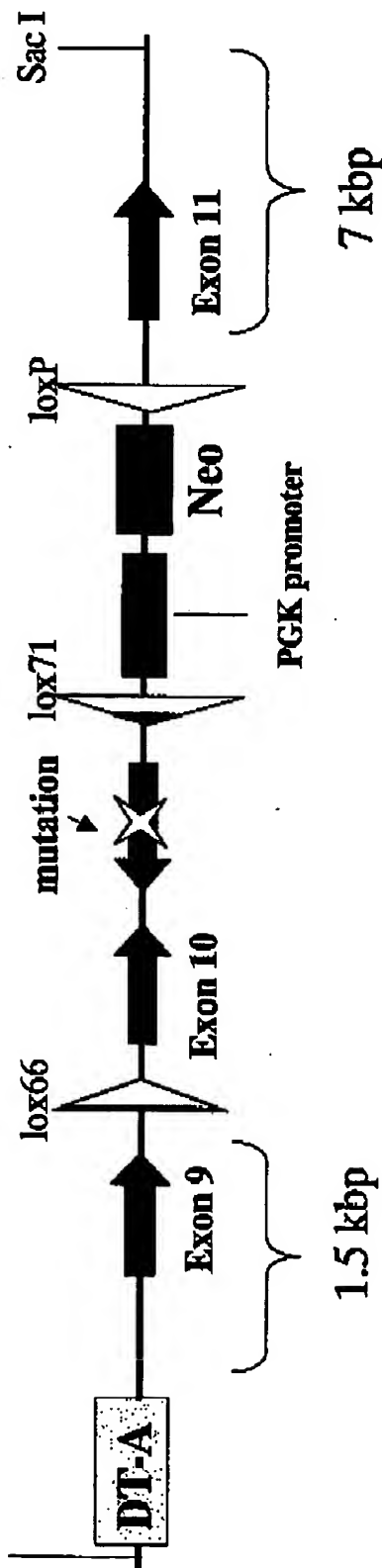


Fig. 15

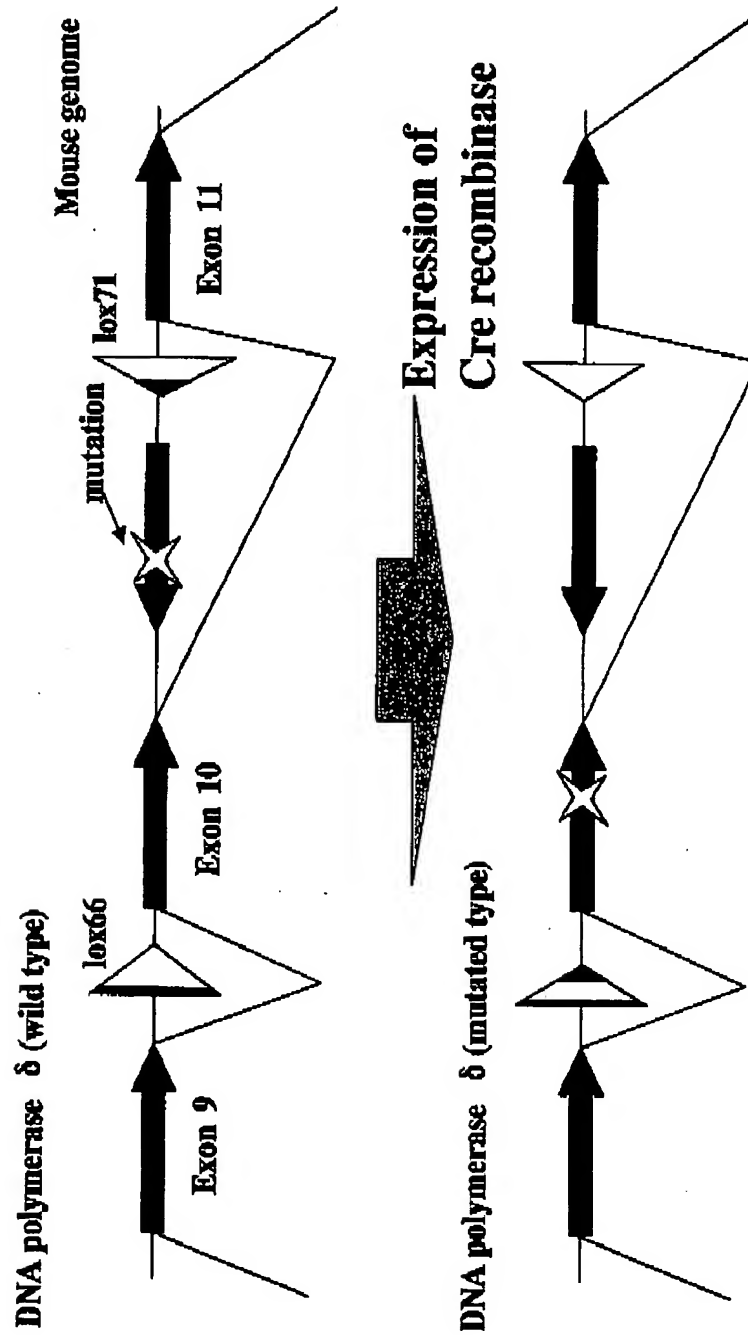


Fig.16

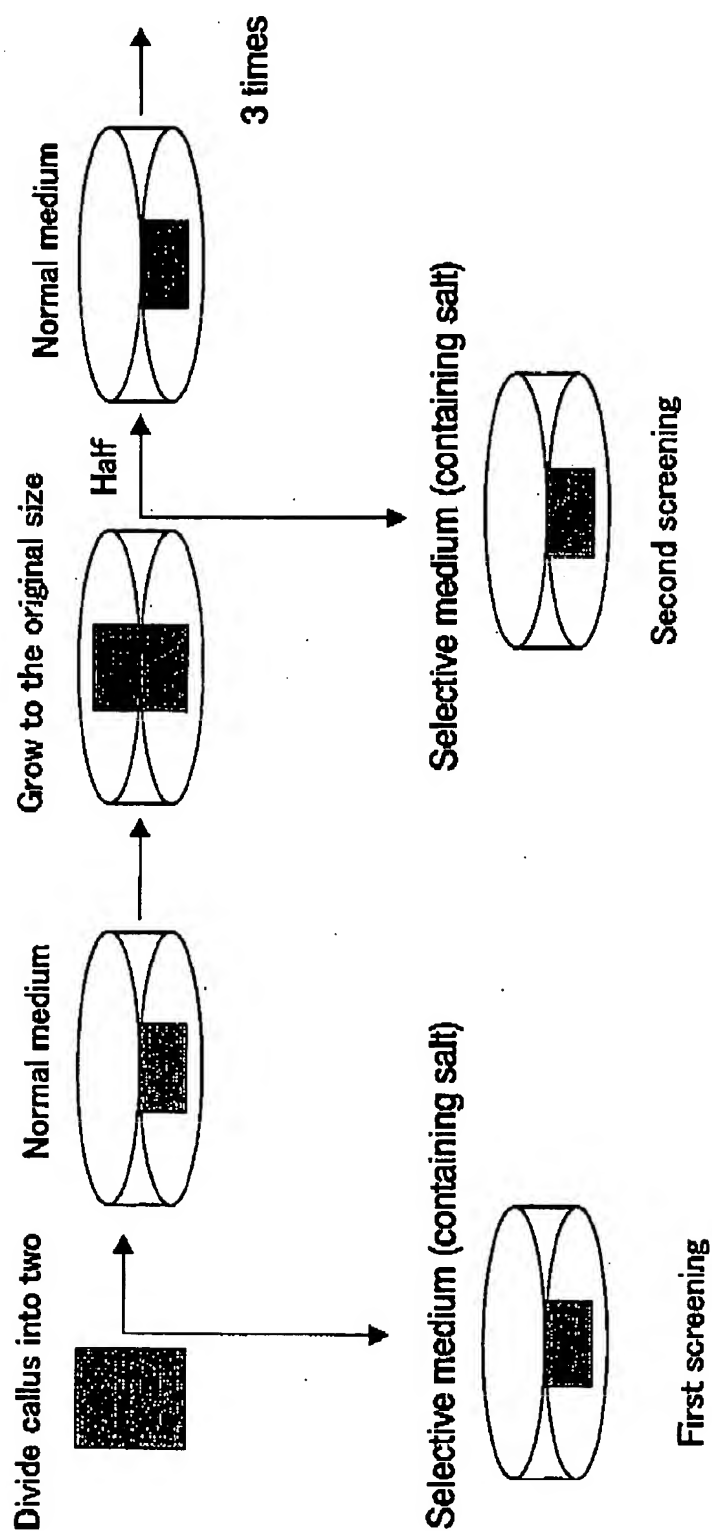


Fig.17

Overexpression of mutant Pold1

